NISTTech

HIGH-AFFINITY N-TERMINAL AMINO ACIDS BINDING REAGENTS

Docket No.14-012

Abstract

Large-scale, massively parallel peptide sequencing based on Edman degradation chemistry, single molecule fluorescence imaging, and a microfluidic platform is proposed. This revolutionary protein measurement will significantly reduce the amount of sample required for analysis and allow identification of low abundance proteins without bias. This innovation will have far-reaching impacts on quantitative systems biology, disease biomarker discovery/validation, clinical diagnostics, and personalized medicine.

Status of Availability

This invention is available for licensing exclusively or non-exclusively in any field of use.

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